

PATENT SPECIFICATION

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(54) RADIO RECEIVERS

(71) We, STANDARD TELE-
 PHONES AND CABLES LIMITED, a
 British Company, of 190 Strand, London,
 W.C.2, England, do hereby declare the
 invention, for which we pray that a patent
 may be granted to us, and the method by
 which it is to be performed, to be particu-
 larly described in and by the following
 statement:—

This invention relates to radio receivers.
 According to the present invention there
 is provided a radio receiver comprising a
 radio-frequency stage, a single channel
 audio-frequency stage, a decoder for stereo-
 phonic reception, a socket for receiving a
 plug of a stereophonic sound transducer,
 and a switch arrangement which is operable
 by insertion of said plug to switch out the
 audio-frequency stage and to apply
 operating current to the decoder.

An embodiment of the invention is de-
 scribed below with reference to the accom-
 panying drawing.

A battery-operated portable radio re-
 ceiver comprises a radio-frequency stage 1
 followed by a single channel audio-
 frequency output stage 2 and a decoder 3 for
 stereophonic reception having connections
 symbolized by 4. The HT line 5 supplies
 operating current to all the units.

When in use for stereophonic reception
 the working of the a.f. stage 2 is not needed,

and similarly, if stereophonic reception is
 not called for, the working of the decoder is
 not needed. Accordingly the current supply
 leads for these units contain switches 6 and 7
 respectively. The insertion of the plug 8 of a
 pair of stereophonic headphones 9 into a
 jack 10 not only connects the headphones to
 the decoder but also, either mechanically or
 electromagnetically causes switch 6 to open
 and switch 7 to close, cutting off the supply
 of current to the a.f. stage and applying it in-
 stead to the decoder. Withdrawal of the plug
 reverses this condition.

The radio receiver, of course, need not be
 portable, and twin loudspeakers may
 replace the headphones.

WHAT WE CLAIM IS:—

1. A radio receiver comprising a radio-
 frequency stage, a single channel audio-
 frequency stage, a decoder for stereophonic
 reception, a socket for receiving a plug of a
 stereophonic sound transducer, and a switch
 arrangement which is operable by insertion
 of said plug to switch out the audio-
 frequency stage and to apply operating
 current to the decoder.

2. A radio receiver substantially as de-
 scribed with reference to the accompanying
 drawing.

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